

Jun-07-06

13:45

From-Hogan &amp; Hartson LLP Los Angeles, Ca.

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T-843

P.001/012 F-107

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TO: U.S. Patent and Trademark Office  
Examiner: Carlos N. Lopez  
Art Unit: 1731

DATE: June 7, 2006FROM: Lawrence J. McClureTIME: 12TOTAL NO. OF PAGES, INCLUDING COVER: 12

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**MESSAGE:**

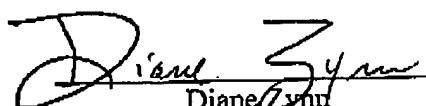
Patent Application No.: 10/722,157; Our Ref. 81863.0024

I hereby certify that the following documents:

**BEST AVAILABLE COPY** Amendment/Amendment Transmittal Letter

are being facsimiled to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450., for filing in the above-identified application.

June 7, 2006  
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Diane Zynn

TELECOPY/FAX NUMBER: (571) 273-8300 ART UNIT 1731CLIENT NUMBER: 81863.0024ATTORNEY BILLING NUMBER: 1966CONFIRMATION NUMBER: (return fax to Diane Zynn)

FORM PT(O)-1083

81863.0024  
Patent Application No. 10/722,157

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
 Shuzo IWASHITA, et al.  
 Serial No. 10722,157  
 Filed: November 25, 2003  
 For: PIEZOELECTRIC CERAMICS AND METHOD  
 OF MANUFACTURING THE SAME,  
 ACTUATOR AND METHOD OF  
 MANUFACTURING THE SAME, PRINTING  
 HEAD AND INK JET PRINTER

Art Unit: 1731  
 Examiner: Carlos N. Lopez

I hereby certify that this correspondence  
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 (571)273-8300:  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450 on

June 7, 2006  
 Date of Deposit  
 Diane Zynn  
 Name  
  
 Signature Date  
 06/07/06

Mail Stop Amendment  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith is an amendment in the above-identified application.

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The fee has been calculated as shown below:

	(Col. 1) CLAIMS REMAINING AFTER AMENDMENT		(Col. 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Col. 3) PRESENT EXTRA*	LG/SM \$ ENTITY FEE	ADD'L FEE DUE
TOTAL CLAIMS FEE	9	-	30	**	LG=\$50 SM=\$25	\$ 0
INDEPENDENT CLAIMS FEE	1	-	5	***	LG=\$200 SM=\$100	\$ 0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIMS						LARGE ENTITY FEE = \$380 SMALL ENTITY FEE = \$180
Independent Claims: 6						TOTAL \$ 0

- \* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.
- \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
- \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box on Col. 1 of a prior amendment or the number of claims originally filed.

Please charge the fee of \$    for the additional claim fees to Deposit Account No. 50-1314. A copy of this sheet is enclosed.

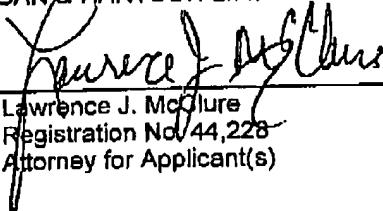
Please charge the fee of \$    for the    extension of time to Deposit Account No. 50-1314. A copy of this sheet is enclosed.

The Commissioner is hereby authorized to charge any deficiencies of fees associated with this communication or credit any overpayment to Deposit Account No. 50-1314. A copy of this sheet is enclosed.

Any filing fees under 37 C.F.R. § 1.16 for the presentation of extra claims

Any patent application processing fees under 37 C.F.R. § 1.17

Respectfully submitted,  
 HOGAN & HARTSON L.L.P.

By:   
 Lawrence J. McGuire

Registration No. 44,228  
 Attorney for Applicant(s)

Date: June 7, 2006

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Appl. No. 10/722,157  
Amdt. Dated June 7, 2006  
Reply to Office Action of March 8, 2006

Attorney Docket No. 81863.0024  
Customer No.: 26021

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Shuzo IWASHITA, et al.

Serial No: 10/722,157

Confirmation No.: 7015

Filed: November 25, 2003

For: PIEZOELECTRIC CERAMICS AND  
METHOD OF MANUFACTURING  
THE SAME, ACTUATOR AND  
METHOD OF MANUFACTURING  
THE SAME, PRINTING HEAD AND  
INK JET PRINTER

Art Unit: 1731

Examiner: Carlos N. Lopez

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P.O. Box 1450  
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June 7, 2006  
Date of Deposit  
Diane Zynn  
Name  
Diane Zynn 06/07/06  
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AMENDMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O Box 1450  
Alexandria, VA 22313-1450

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Dear Sir:

In response to the Office Action dated March 8, 2006, please amend the  
above-referenced application as follows:

Amendments to the specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on  
page 3 of this paper.

Remarks/Arguments begin on page 6 of this paper.